PATENT

Appl. No. 10/564,319 Amdt. dated 04/23/2009

Response to final Office Action dated 12/23/2008

AMENDMENTS TO THE CLAIMS:

(Currently amended) A nonwoven fabric comprising at least two separate 2 but interconnected layers, said fabric comprising hydroentangled and consolidated fibers in each 3 of the layers as well as discrete interconnections so as to provide discrete voids between the two 4 layers of fabric, said fabric having a permeability sufficient to enable storage of fluids within the 5 voids. 1 2. (Previously presented) The nonwoven fabric according to claim 1 2 characterized in that the voids comprise a channel within the structure of the fabric. 1 3. (Previously presented) The nonwoven fabric according to claim 1 2 characterized in that the voids comprise a plurality of channels. 1 4. (Previously presented) The nonwoven fabric according to claim 2 characterized in that the channels have a substantially cylindrical or tubular shape. 2 1 (Previously presented) The nonwoven fabric according to claim 1 2 characterized in that the voids are arranged in a substantially uniform or periodic manner. 1 6. (Previously presented) The nonwoven fabric according to claim 1 2 characterized in that the thickness of the nonwoven fabric is from 1 mm to 9 mm. 7. (Previously presented) The nonwoven fabric according to claim 1 2 characterized in that the area density of the nonwoven fabric is from 40 to 300 g/m². (Previously presented) The nonwoven fabric according to claim 1. 1 2 wherein the voids comprise discrete channels within the body of the fabric. 9. 1 (Canceled) 10. (Previously presented) The nonwoven fabric according to claim 2 1 2 characterized in that the width of the channels are in the range from 0.2 mm to 8.5 mm. 1 11. (Previously presented) The nonwoven fabric according to claim 1.

wherein said voids further comprise one or more functional materials.

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1 12. (Previously presented) The nonwoven fabric according to claim 11
2 characterized in that the functional material is a member selected from a yarn, filament, wire,
3 wax, gel, liquid, pulp and particle.

- 1 13. (Previously presented) The nonwoven fabric according to claim 1,
 2 wherein the separate but interconnected layers are formed from a member selected from carded,
 3 air-laid, wet-laid, spun-laid and meltblown webs and combinations thereof.
- 1 14. (Previously presented) The nonwoven fabric according to claim 1,
 2 wherein the layers are fibrous, and wherein at least two fibrous layers are made of different fiber
 3 types.
- 1 15. (Previously presented) The nonwoven fabric according to claim 14, 2 wherein at least one fibrous layer is hydrophobic and at least one fibrous layer is hydrophilic.
- 1 16. (Previously presented) The nonwoven fabric according to claim 12,
 2 wherein the functional material is a member selected from a yarn and a filament and said yarns
 3 and filaments are made of a member selected from natural, man-made and mineral fibres.
- 1 17. (Previously presented) The nonwoven fabric according to claim 12,
 2 wherein the functional material is a liquid and said liquid is a member selected from cleaning
 3 liquids, detergent liquids, paints, perfumes, cosmetics, lotions, ointments, antioxidants, liquid
 4 nutrients and creams.
- 1 18. (Previously presented) The nonwoven fabric according to claim 12,
 2 wherein the functional material is a powder and said powder is a member selected from
 3 superabsorbents, cleaning agents and medicaments.
- 1 19. (Previously presented) The nonwoven fabric according to claim 12,
 2 wherein the functional material is a particle and said particle is a member selected from a silica
 3 gel, activated carbon particles, metallic particles, ceramic particles, polymer particles, phase
 4 change material (PCM) particles and seed particles.

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1 **20.** (Previously presented) The nonwoven fabric according to claim 12, wherein the functional material is a wire and said wire is a member selected from electrically conductive wires, shape memory alloy (SMA) wire and optical wires.

1 21. (Previously presented) The nonwoven fabric according to claim 12,
2 wherein the functional material is a gel and said gel is a member selected from hydrogels,
3 medicinal gels and hygienic cleaning gels.

22-32. (Canceled)

- 1 33. (Previously presented) The nonwoven fabric according to claim 1
 2 characterized in that the nonwoven fabric is suitable for the controlled release of one or more
 3 medicaments.
- 1 34. (Previously presented) The nonwoven fabric according to claim 1
 2 characterized in that the nonwoven fabric is suitable for containing or delivering one or more
 3 cleaning fluids.
- 1 35. (Previously presented) The nonwoven fabric according to claim 1 characterized in that the nonwoven fabric is in the form of an absorbent article.
 - 36. (Previously presented) The nonwoven fabric according to claim 35, wherein the absorbent article is a member selected from a wipe, a wound dressing, a baby diaper component, an incontinence pad, and a feminine hygiene absorbent pad.

37-40. (Canceled)

- 1 41. (Previously presented) The nonwoven fabric according to claim 1, wherein 2 the nonwoven fabric is suitable for light-weight thermal insulation.
- 1 42. (Previously presented) The use of the nonwoven fabric according to claim
 2 1 in the manufacture of an article.
- 1 43. (Previously presented) The use according to claim 42 wherein the article is 2 a member selected from a medicament delivery device, a cleaning fluids delivery device, an

- absorbent article, a wipe, a wound dressing, a baby diaper component, an incontinence pad, a
 feminine hygiene absorbent pad and a thermal insulation material.
- 44. (Previously presented) A method of delivering a functional material
 which comprises the use of the nonwoven fabric according to claim 1.
- 1 45. (Previously presented) The nonwoven fabric according to claim 1 wherein 2 the voids are coated with a vapour permeable PU polymer.
- 1 **46.** (New) The nonwoven fabric according to claim 1, wherein each of said voids is defined by the layers and said interconnections.
- 47. (New) The nonwoven fabric according to claim 46, wherein said layers
 are configured to enable delivery of said fluid.
- 48. (New) The nonwoven fabric according to claim 1, wherein said fabric has
 differential permeability.